BRUHATH BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of the Work : Package 2 Consists of 3 Works of Rs.1100.00 Lakhs.

1. Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division.
2. Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division.
3. Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

Name of the Agency : M/S Benaka Developers and Projects Pvt Ltd

REPORT FOR
EXECUTIVE ENGINEER,
YELAHANKA SUB-DIVISION
BBMP, BANGALORE.

PROJECT MANAGEMENT CONSULTANTS

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

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Contractor/Agency : M/S Benaka Developers and Projects Pvt Ltd

Name of the Client : Executive Engineer,
Bytarayanpura Division
BBMP, Bangalore-92

Estimated Cost : Rs 1100.00 Lakhs

Status of Bill : 2nd and Part bill

In the Presence of : (a) Mr. Suresh Devatharaj
Assistant Engineer, BBMP, Bangalore.
(b) Mr. Mahantesh Kumar Y N
Assistant Engineer, BBMP, Bangalore.
: (c) Mr. Shreedhar B.S
Assistant Executive Engineer, BBMP, Bangalore
: (d) Mr.Darshan T R, Site Engineer
M/s Tejus Consultants

SL No	Description of Item	Comments/ Observation
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5=69.80	Work done up to the billed quantity and quality is satisfactory
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) (P.No.27, I.No.5.33 of PW, P&IWTD SR 2018-19)excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No.3.6	Work done up to the billed quantity and quality is satisfactory

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-24

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3	Removing and resetting of footpath slab (P.No.270, I.No.37.56 of PW, P&IWTD SR 2018-19)	Work done up to the billed quantity and quality is satisfactory
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.27, I.No.5.31.1 of PW, P&IWTD SR 2018-19)	Work done up to the billed quantity and quality is satisfactory
5	KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per specifications. MORTH Specification No. 408 (P.No.254, I.No.34.1 of PW,P&IWTD S.R 2018-19)	Work done up to the billed quantity and quality is satisfactory
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications. KBS 5.1.13. cement mortar 1:6(P.No.255, I.No.34.8.2 of PW, P&IWTD S.R 2018-19)	Work done up to the billed quantity and quality is satisfactory
7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications.Specification No. KBS 4.1, 4.2(P.No 255, I.No.34.11 of PW,P&IWTD S.R 2018-19)	Work done up to the billed quantity and quality is satisfactory
11	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Work done up to the billed quantity and quality is satisfactory
12	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specification MORTH Specification No.301with 4km lead= (I No-19.14,P No-143)	Work done up to the billed quantity and quality is satisfactory
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	Work done up to the billed quantity and quality is satisfactory

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QUALITY CONTROL ABSTRACT (AS PER MORT&H-V REVISION)

SL No	Name of Work:- Package 2 Consists of 3 Works of Rs.1100.00 Lakhs
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Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Bill: Second and Part Bill

Sl No	Description of Items	Test	Test Units	Test Per Qty	Up to Date Qty	Convertion m^3 > m^2	Convertion m^3 > Tonnes	No. Of Sample to Be Conduct for Test	No of Sample Conducted for Test
	For Drain work								
	Plane Cement Concrete -								
1	Cement Test				2.82	Cum			
		Setting Time - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	5
		Soundness - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	5
		Standarad Consistancy IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	5
2	Fine Aggregate								
		Specific Gravity and Water Absorption (IS 2386 Part. 3)1963	Days	One Source		-	-	1	5
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	1	5
3	Coarse Aggregate								
		Sieve Analysis (IS 2386- Part 1)-1963	Days	One Source		-	-	1	5
	Coping M15 Concrete -								
1	Cement Test				7.46	Cum			
		Setting Time Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	2

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		Soundness Test - IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	2
		Standarad Consistancy Test IS 12269 (53 grade ordinary Portland cement)	Days	One Source		-	-	1	2
2	Fine Aggregate								
		Specific Gravity and Water Absorption Test (IS 2386 Part. 3)1963	Days	One Source		-	-	1	2
		Sieve Analysis Test (IS 2386-Part 1)-1963	Days	One Source		-	-	1	2
3	Coarse Aggregate								
		Aggrgate impact Value Test (AIV) (IS 2386- Part 4)-1963	Days	One Source		-	-	1	2
		Sieve Analysis Test (IS 2386-Part 1)-1963 20 mm Aggregates	Days	One Source		-	-	1	2
		Sieve Analysis Test (IS 2386-Part 1)-1963 12.5 mm Aggregates	Days	One Source		-	-	1	2
	Precast Items								
1	250mm Thick Pre-Cast Slabs								
		Core Strength on Harden Concrete (IS 516)	sqm	Per Batch	31.20	-	-		6
	For Road Work								
1	Wet Mix Macadam(WMM)								
		Aggrgate impact Value(AIV)	m^3	1000.00	8635.36	-	-	9	10
		Combained Flakiness & Elonga	m^3	500.00	8635.36	-	-	17	17
		Gradation	m^3	400.00	8635.36	-	-	22	22
		Density of Compacted Layer	m^2	1000.00	8635.36	34541.44	-	35	35

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